K011458

AUG - 2 2001

3. Summary of Safety and Effectiveness Information

Sponsor	Synthes (USA) 1690 Russell Road Paoli, PA 19301
Company Contact	Matthew M. Hull (610) 647-9700 ext. 7191
Name of the Device	Synthes Straight Wrist Fusion Plate, 170 mm
Regulation & Classification	888.3030 – Plate, Fixation, Bone, Non-Spinal, Metallic (NDF)
Predicate Device	- Synthes Straight Wrist Fusion Plate, 170 mm (K000558) - Synthes Small Notched Ti Reconstruction Plate (K915818)
Device Description	The Synthes Straight Wrist Fusion Plate, 170 mm is a longer version of the predicate wrist fusion plate that will have 6 holes for screw insertion and will be offered in Titanium as well as 316L Stainless Steel.
Intended Use	The Synthes (USA) Straight Wrist Fusion Plate, 170 mm is intended for wrist arthrodesis and fractures of other small long bones. Specific indications include post-traumatic arthritis of the joints of the wrist; rheumatoid wrist deformities requiring restoration; complex carpal instability; post-septic arthritis of the wrist; severe unremitting wrist pain related to motion; brachial plexus nerve palsies; tumor resection; and spastic deformities.
Technological Characteristics	The Synthes Straight Wrist Fusion Plate, 170 mm will be made from Titanium in conformance with ASTM F 67 as well as 316L Stainless Steel in conformance with ASTM F 138. Both materials are used in numerous standard bone plates and screws. The technological difference is that the length of this Wrist Fusion Plate (170 mm) will allow easier fixation over the fracture/ injury area in some patients.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

AUG - 2 2001

Mr. Matthew M. Hull, RAC
Senior Regulatory Affairs Specialist
Synthes (USA)
1690 Russell Road
P.O. Box 1766
Paoli, Pennsylvania 19301

Re: K011458
Trade/Device Name: Synthes Straight Wrist Fusion Plate, 170 mm
Regulation Number: 888.3030
Regulatory Class: II
Product Code: KTW
Dated: May 8, 2001
Received: May 11, 2001

Dear Mr. Hull:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4659. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "http://www.fda.gov/cdrh/dsma/dsmamain.html".

Sincerely yours,

Celia M. Witten, Ph.D., M.D.
Director
Division of General, Restorative
and Neurological Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

8. Indications for Use Statement

510(k) Number (if known): K011458

Device Name: Synthes Straight Wrist Fusion Plate, 170 mm

Indications/ Contraindications:

The Synthes (USA) Straight Wrist Fusion Plate, 170 mm is intended for wrist arthrodesis and fractures of other small long bones. Specific indications include post-traumatic arthritis of the joints of the wrist; rheumatoid wrist deformities requiring restoration; complex carpal instability; post-septic arthritis of the wrist; severe unremitting wrist pain related to motion; brachial plexus nerve palsies; tumor resection; and spastic deformities.

(PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use X
(Per 21 CFR 801.109)

OR ~~Over-The-Counter Use~~

(Division Sign-Off)
Division of General, Restorative and Neurological Devices

510(k) Number K011458